

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG 99/00073 A. CLASSIFICATION OF SUBJECT MATTER IPC⁷: H01L 31/12, 33/00; H05B 33/00; H05K 5/02 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC⁷: H01L 31/12, 31/167, 33/00; H05B 33/00, 33/02; H05K 5/02 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category* Relevant to claim No. US 4501637 A (MITCHELL C.W.) 26 February 1985 (26.02.85) 1-7, 10-20, \mathbf{X} abstract and description of fig. 3. 30-39, 42, 43, 51-56 8-9, 21-29, A 40-41, 44-50 FR 2585510 A (CIT-ALCATEL) 30 January 1987 (30.01.87) abstract 1, 30 X and desription of fig. 2. 2-29, 31-56 See patent family annex. Further documents are listed in the continuation of Box C. "T" later document published after the international filing date or priority Special categories of cited documents: "A" document defining the general state of the art which is not date and not in conflict with the application but cited to understand the principle or theory underlying the invention considered to be of particular relevance "E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step filing date "L" document which may throw doubts on priority claim(s) or which is when the document is taken alone cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination being obvious to a person skilled in the art "P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 20 June 2000 (20.06.00) 11 April 2000 (11.04.00) Name and mailing adress of the ISA/AT Authorized officer **Austrian Patent Office** Koskarti Kohlmarkt 8-10; A-1014 Vienna Facsimile No. 1/53424/200

Telephone No. 1/53424/326



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/SG 99/00073

Pat nt docum nt cited in search report			Publication date	Patent family member(s)		Publication date	
US	A	4501637	26-02-1985	DE	C0	3279463	30-03-1989
				EP	A1	81554	22-06-1983
				EP	В1	81554	22-02-1989
				HK	A	172/92	13-03-1992
				JP	Т2	58500921	02-06-1983
				SG	A	43/92	19-02-1993
				WO	A1	8204500	23-12-1982
FR	A1	2585510	30-01-1987			none	



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

FP1185	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
PCT/SG 99/00073	09 July 1999 (09.07.99)		-					
Applicant								
OSRAM Opto Semiconductors	GmbH & Co OH	(G et al.						
			authority and is transmitted to the applicant					
according to Article 18. A copy is being the This international search report consists to		sheets.	•					
· ———								
It is also accompanied by a copy of each prior art document cited in this report.								
 Basis of the report With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 								
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).								
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:								
contained in the international application in written form.								
filed together with the inte	filed together with the international application in computer readable form.							
furnished subsequently to this Authority in written form.								
furnished subsequently to this Authority in computer readable form.								
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
the statement that the inforbed.	mation recorded in com	nputer readable for	m is identical to the written sequence listing has					
2. Certain claims were foun	d unsearchable (See B	οx l).						
3. Unity of invention is lack	ing (See Box II).							
4. With regard to the title,	. With regard to the title,							
the text is approved as sub	the text is approved as submitted by the applicant.							
the text has been established	ed by this Authority to r	ead as follows:						
5. With regard to the abstract,								
the text is approved as sub	mitted by the applicant.							
i ——	_	· · · · · · · · · · · · · · · · · · ·	nority as it appears in Box III. The applicant may, the report, submit comments to this Authority.					
6. The figure of the drawings to be pu	blished with the abstrac	t is Figure No.:	<u>1</u> .					
as suggested by the application	ent.		None of the figures.					
because the applicant faile	d to suggest a figure.							
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Form PCT/ISA/210 (first sheet) (July 1998)



Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet	Box III	TEXT OF THE	ARSTRACT	Continuation of its	cm 5 of the first she
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An encapsulation for an electrical device (100) is disclosed. A cap support (130) is provided in the non-active regions (120) of the device (100) to prevent the package from contacting the active components (110) of the device due to mechanical stress induced in the package.

Form PCT/ISA/210 (continuation of first sheet (2)) (July 1998)



Literaturblatt zum Stand der Technik

Fall-Nummer:

1999P2851

Titel:

Encapsulation of a Device

Mandanten-Referenz: Pz01

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in der Beschreibungseinleitung genannter SdT

"Mechanical Patterning of a Device Layer" (99E8062)

Burroughes et al., Nature 347 (1990) 539

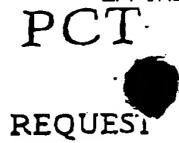
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internat. Recherchenbericht/Prüfungsverfahren

FR2585510

US4,501,637

s.03



لمنصبك وصا Filing Date

المنصناط Application

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

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Encapsulation Of A Dev	vice
Box No. II APPLICANT	
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Box No. III FURTHER APPLICANT(S) AND/OR (FUR	I HER) ENVENTOR(S)
Name and address: (Family came followed by given pane: for designation. The address trust believe partal cade and care of careful to the applicant's Sale (that b, count of turidence is indicated below.)	This person is: [1] Classification of the country of the country of the country of the country only
GUENTHER Ewald Karl Michael 991 Bukit Timah Road #03-11 Maplewoods Singapore 589630	
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MCCALLUM, GRAEME DAVID	Faring No.
T.T.OYD WISE	227 3898
TANJONG PAGAR P O BOX 636 SINGAPORE 910816	Telepine No.
Address for correspondence: Mark this check-box where	which common representative jobs been appointed and the
The state is used instead to indicate a special address to	שאוכא נפהנוסמת בתכב אמשע בב זבות.

Precautionary Designation Statement: La addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 13 months from the priority date is to be regarded as withdrawn by the applicant a: the expiration of that time limit. (Confirming of a designation consists of the filing of a code specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 13-month time limbt)

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